

PATENT

AMENDMENTS TO THE CLAIMS

Following is a complete set of claims as amended with this Response. This complete set of claims excludes cancelled claims 1, 5, 9, 16, 21 and 22, and includes amended claims 2-4, 6-8, 10, 12-15, 17, 19.

1. (Cancelled)
2. (Currently Amended) The device of claim ~~[[1]]~~ 3, wherein the parameter storage unit comprises a current state pointer for identifying a current programming state.
3. (Currently Amended) ~~The device of claim 1,~~ An implantable medical device comprising:
 - a parameter storage unit that is operative to store parameter data corresponding to at least two programming states;
 - a receiver that is operative to receive communication signals from an external device; and
 - a controller that is connected to the parameter storage unit and to the receiver and that controls the operation of the implantable medical device according to a selected one of the programming states, wherein the controller is responsive to receipt of a reset signal by the receiver to retrieve parameter data from the parameter storage unit corresponding to another of the programming states and to implement the parameter data to change the programming state;wherein the programming states in the parameter storage unit are ordered such that one of the stored programming states is selected according to its order in the parameter storage unit as a current programming state.

PATENT

4. (Currently Amended) The device of claim ~~[[1]]~~ 3, wherein the receiver is configured to communicate with an external programmer.
5. (Cancelled)
6. (Currently Amended) The method of claim ~~[[5]]~~ 15, wherein receiving a reset signal comprises receiving a reset signal from an external programmer.
7. (Currently Amended) The method of claim ~~[[5]]~~ 15, wherein receiving a reset signal comprises receiving a reset signal corresponding to one of the programming states.
8. (Currently Amended) The method of claim ~~[[5]]~~ 15, wherein implementing the retrieved set of parameters comprises programming functional components of the implantable device in accordance with the parameters of the selected programming state.
9. (Cancelled)
10. (Currently Amended) The device of claim ~~[[1]]~~ 3, wherein the at least two programming states comprise at least three programming states.
11. (Previously Presented) The device of claim 10, wherein the at least three programming states comprises a current programming state and at least two other programming states.
12. (Currently Amended) The device of claim ~~[[1]]~~ 3, further comprising a transmitter to transmit data from the parameter storage unit to the external device, the external device displaying the differences between the selected programming states received from the parameter storage unit.

PATENT

13. (Currently Amended) ~~The device of claim 1,~~ An implantable medical device comprising:

a parameter storage unit that is operative to store parameter data corresponding to at least two programming states;

a receiver that is operative to receive communication signals from an external device;

a controller that is connected to the parameter storage unit and to the receiver and that controls the operation of the implantable medical device according to a selected one of the programming states, wherein the controller is responsive to receipt of a reset signal by the receiver to retrieve parameter data from the parameter storage unit corresponding to another of the programming states and to implement the parameter data to change the programming state;
and

~~further comprising~~ a transmitter to transmit data from the parameter storage unit to the external device, the external device to select at least two of the programming states received from the parameter storage unit to form a new programming state, the new programming state to become the current programming state.

14. (Currently Amended) The method of claim ~~[[5]]~~ 15, further comprising transmitting the at least three sets of parameters to ~~an~~ the external device to display the differences between at least two sets of parameters.

PATENT

15. (Currently Amended) ~~The method of claim 5,~~ A method for controlling operation of an implantable medical device, the method comprising:
maintaining at least three sets of parameters representative of at least three programming states comprising a current programming state and at least two other programming state;
receiving a reset signal for resetting the programming state of the implantable device;
retrieving a corresponding set of parameters based on the received reset signal;
implementing the retrieved set of parameters to alter the operation of the implantable device; and
further comprising transmitting the at least three sets of parameters to an external device to form a new programming state, the new programming state to become the current programming state.
16. (Cancelled)
17. (Currently Amended) The device of claim ~~[[1]]~~ 3, wherein the parameter storage unit stores all the parameter data for the implantable medical device for each of the programming states.
18. (Previously Presented) The device of claim 17, wherein the parameter data comprises mode, base rate, rest rate, maximum tracking rate, maximum sensor rate, and rate responsive AV/PV delay.
19. (Currently Amended) The method of claim ~~[[5]]~~ 15, wherein the at least three sets of parameters comprise all the parameter data for the at least three programming states of the implantable medical device.

PATENT

20. (Previously Presented) The method of claim 19, wherein the parameter data comprises mode, base rate, rest rate, maximum tracking rate, maximum sensor rate, and rate responsive AV/PV delay.

21. (Cancelled)

22. (Cancelled)